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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/593,742	06/14/2000	Venkata S. Ayyagari	06502.0301	9037

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FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER  
LLP  
1300 I STREET, NW  
WASHINGTON, DC 20005

EXAMINER
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NGUYEN, THANH T

ART UNIT	PAPER NUMBER
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2143

DATE MAILED: 07/18/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

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# Office Action Summary

Application No.

09/593,742

Applicant(s)

AYYAGARI ET AL.

Examiner

Tammy T Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE (3) MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 14 June 2000.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 5. 6) ☐ Other:



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## Detailed Office Action

1. This action is in response to the application **09/593,742** filed. **June 14, 2000**
2. Claims **1-19** have been examined.

### *Claim Rejections - 35 USC § 103*

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1, 2, 4, 6, 7, 9-11, 13, 14-16, and 18-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Crosskey et al., (hereinafter Crosskey) U.S. Patent No. 6,035,281 in view of Huang et al., (hereinafter Huang) U.S. Patent No. 6,292,835.

5. As to claim 1, Crosskey teaches the invention as claimed, including method for processing content requests in a network having at least one content provider having stored documents in an unprocessed format, a proxy server and at least one client, the method comprising the following steps performed by the proxy server, of: receiving a request from the client for a document associated with the content provider (Fig. 1, content provider 4 and client computer 1, and col.5, lines 1-10) determining whether a processed version of the document is located in a local cache (col.5, lines 10-25); when it is determined that the processed version of the document

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is located in the local cache, providing the processed version of the document to the client (col.5, lines 10-34); and when it is determined that the processed version of the document is not located in the local cache, Crosskey does not teach the (i) obtaining the unprocessed document associated with the content provider; (ii) processing the unprocessed document in accordance with predetermined instructions associated with the unprocessed document; and (iii) providing the processed version of the identified processed document to the client. However, Huang teaches the obtaining the unprocessed document associated with the content provider; (ii) processing the unprocessed document in accordance with predetermined instructions associated with the unprocessed document; and (iii) providing the processed version of the identified processed document to the client (col.4, lines 2-45, and col.5, lines 10-46). It would have been obvious to one of ordinary skill in the Data Processing art at the time of the invention to combine the teachings of Crosskey and Huang to have processed version of the identified processed document to the client includes in a communication system because it would useful to have a series of actions, changes, or functions bringing about a result.

6. As to claim 2, Crosskey teaches the invention as claimed, wherein the step of processing the unprocessed document, further comprises the step of storing the processed version of the document in the local cache (col.5, lines 10-25).

7. As to claim 4, Crosskey teaches the invention as claimed, wherein the step of processing the unprocessed document in accordance with predetermined instructions associated with the unprocessed document, further comprises the step of converting the unprocessed document from a first markup language to a second markup language (col.5, lines 34-47).

8. As to claim 6, Crosskey teaches the invention as claimed, including method

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for processing content requests in a network having at least one content provider having stored documents in an unprocessed format, a proxy server (Fig. 1, OLSP Proxy server) and at least one client (client computer 1), the method comprising the following steps performed by the proxy server, of: receiving an unprocessed document from the content provider (Fig. 1, content provider 4, 10), wherein the document was requested by the client (Fig. 1, client computer 1, and col.5, lines 1-10); determining whether a processed version of the document is located in a local cache (col.6, lines 50-64); when it is determined that the processed version of the document is located in the local cache (col.6, lines 1-34), providing the processed version of the document to the client (col.5, lines 25-35); and when it is determined that the processed version of the document is not located in the local cache, Crosskey does not teach (i) processing the unprocessed document in accordance with predetermined instructions associated with the unprocessed document; and (ii) providing the processed version of the identified processed document to the client. However, Huang teaches the processing the unprocessed document in accordance with predetermined instructions associated with the unprocessed document; and (ii) providing the processed version of the identified processed document to the client (col.4, lines 2-45, and col.5, lines 10-46). It would have been obvious to one of ordinary skill in the Data Processing art at the time of the invention to combine the teachings of Crosskey and Huang to have processed version of the identified processed document to the client includes in a communication system because it would useful to have a series of actions, changes, or functions bringing about a result.

9. As to claim 7, Crosskey teaches the invention as claimed, wherein the step of processing the unprocessed document, further comprises the step of storing the processed version of the document in the local cache (Fig. 1, client computer 1, and col.5, lines 10-25).

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10. As to claim 9, Crosskey teaches the invention as claimed, wherein the step of processing the unprocessed document in accordance with predetermined instructions associated with the unprocessed document, further comprises the step of converting the unprocessed document from a first markup language to a second markup language (col.5, lines 34-47).

11. As to claim 10, Crosskey teaches the invention as claimed, including an Internet Proxy server comprising: a memory having program instructions (Fig.1, OLSP Proxy server); and a processor configured to use the program instructions to receive a request from the client for a document associated with the content provider (Fig.1, content provider.4, 10 and client computer 1, and col.5, lines 1-10); to determine whether a processed version of the document is located in a local cache (col.6, lines 1-34); when it is determined that the processed version of the document is located in the local cache, to provide the processed version of the document to the client (col.5, lines 1-25). Crosskey does not teach it is determined that the processed version of the document is not located in the local cache, (i) obtain the unprocessed document associated with the content provider; (ii) process the unprocessed document in accordance with predetermined instructions associated with the unprocessed document; and (iii) provide the processed version of the identified processed document to the client. However, Huang teaches the processed version of the document is not located in the local cache, (i) obtain the unprocessed document associated with the content provider; (ii) process the unprocessed document in accordance with predetermined instructions associated with the unprocessed document; and (iii) provide the processed version of the identified processed document to the client (col.4, lines 2-45, and col.5, lines 10-46). It would have been obvious to one of ordinary skill in the Data Processing art at the time of the invention to combine the teachings of Crosskey

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and Huang to have processed version of the identified processed document to the client includes in a communication system because it would useful to have a series of actions, changes, or functions bringing about a result.

12. As to claim 11, Crosskey teaches the invention as claimed, wherein the instruction to process the unprocessed document, further comprises the step of storing the processed version of the document in the local cache (col.5, lines 10-25).

13. As to claim 13, Crosskey teaches the invention as claimed, wherein the instruction to process the unprocessed document in accordance with predetermined instructions associated with the unprocessed document, further comprises the instruction to convert the unprocessed document from a first markup language to a second markup language (col.5, lines 34-47).

14. As to claim 15, Crosskey teaches the invention as claimed, including an Internet Proxy server comprising: a memory having program instructions (Fig.1, OLSP Proxy server); and a processor configured to use the program instructions to receive an unprocessed document from the content provider wherein the document was requested by the client (Fig.1, content provider.4, 10 and client computer 1, and col.5, lines 1-10); to determine whether a processed version of the document is located in a local cache (col.6, lines 1-34); when it is determined that the processed version of the document is located in the local cache, to provide the processed version of the document to the client (col.5, lines 1-25). Crosskey does not teach the processed version of the document is not located in the local cache, (i) process the unprocessed document in accordance with predetermined instructions associated with the unprocessed document; and (ii) provide the processed version of the identified processed

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document to the client. However, Huang teaches the processed version of the document is not located in the local cache, (i) process the unprocessed document in accordance with predetermined instructions associated with the unprocessed document; and (ii) provide the processed version of the identified processed document to the client (col.4, lines 2-45, and col.5, lines 10-46). It would have been obvious to one of ordinary skill in the Data Processing art at the time of the invention to combine the teachings of Crosskey and Huang to have processed version of the identified processed document to the client includes in a communication system because it would useful to have a series of actions, changes, or functions bringing about a result.

15. As to claim 16, Crosskey teaches the invention as claimed, wherein the instruction to process the unprocessed document, further comprises the instruction of storing the processed version of the document in the local cache (col.5, lines 10-25).

16. As to claim 18, Crosskey teaches the invention as claimed, wherein the instruction to process the unprocessed document in accordance with predetermined instructions associated with the unprocessed document, further comprises the instruction to convert the unprocessed document from a first markup language to a second markup language (col.5, lines 34-47).

17. As to claim 19, Crosskey teaches the invention as claimed, including a data processing system for processing content requests in a network having at least one content provider having stored documents in an unprocessed format, a proxy server and at least one client, the system comprising: means for receiving a request from the client for a document associated with the content provider (Fig.1, content provider.4, 10 and client computer 1, and col.5, lines 1-10); means for determining whether a processed version of the document is located



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in a local cache (col.6, lines 1-34); when it is determined that the processed version of the document is located in the local cache, means for providing the processed version of the document to the client (col.5, lines 1-25); Crosskey does not teach the processed version of the document is not located in the local cache, (i) means for obtaining the unprocessed document associated with the content provider; (ii) means for processing the unprocessed document in accordance with predetermined instructions associated with the unprocessed document; and (iii) means for providing the processed version of the identified processed document to the client. However, Huang teaches the processed version of the document is not located in the local cache, (i) means for obtaining the unprocessed document associated with the content provider; (ii) means for processing the unprocessed document in accordance with predetermined instructions associated with the unprocessed document; and (iii) means for providing the processed version of the identified processed document to the client. It would have been obvious to one of ordinary skill in the Data Processing art at the time of the invention to combine the teachings of Crosskey and Huang to have processed version of the identified processed document to the client includes in a communication system because it would be useful to have a series of actions, changes, or functions bringing about a result.

18. Claims 3, 5, 8, 12, 14, and 17, are rejected under 35 U.S.C. 103(a) as being unpatentable over Crosskey et al., (hereinafter Crosskey) U.S. Patent No. 6,035,281 and Huang et al., (hereinafter Huang) U.S. Patent No. 6,292,835 in view of Caldwell et al., (hereinafter Caldwell) U.S. Patent No. 6,421,673.

19. As to claim 3, Crosskey and Huang do not teach the invention as claimed,

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wherein the step of determining whether a processed version of the document is located in local cache, further comprises the step of ascertaining whether the document is written in a second markup language, wherein said second markup language is a processed version of said first markup language. However, Caldwell teaches ascertaining whether the document is written in a second markup language, wherein said second markup language is a processed version of said first markup language (col.3, lines 30-40, and col.7, lines 10-55). It would have been obvious to one of ordinary skill in the Data Processing art at the time of the invention to combine the teachings of Crosskey, Huang and Caldwell to have the document is written in a second markup language includes in a communication system because it would have an efficient system that can provide specific functions can be used to describe a number of different kinds of data as well as text. Allowing programs to modify and validate documents in these languages without prior knowledge, that is written and stored on a computer.

20. As to claim 5, Crosskey and Huang do not teach the invention as claimed, wherein said second markup language is the extensible markup language (XML). However, Caldwell teaches markup language is the extensible markup language (XML) (col.7, lines 10-55). It would have been obvious to one of ordinary skill in the Data Processing art at the time of the invention to combine the teachings of Crosskey, Huang and Caldwell to have the document is written in a second markup language includes in a communication system because it would have an efficient system that can provide specific functions can be used to describe a number of different kinds of data as well as text. Allowing programs to modify and validate documents in these languages without prior knowledge, that is written and stored on a computer.

21. As to claim 8, Crosskey and Huang do not teach the invention as claimed,

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wherein the step of determining whether a processed version of the document is located in local cache, further comprises the step of ascertaining whether the document is written in a second markup language, wherein said second markup language is a processed version of said first markup language. However, Caldwell teaches ascertaining whether the document is written in a second markup language, wherein said second markup language is a processed version of said first markup language (col.3, lines 30-40, and col.7, lines 10-55). It would have been obvious to one of ordinary skill in the Data Processing art at the time of the invention to combine the teachings of Crosskey, Huang and Caldwell to have the document is written in a second markup language includes in a communication system because it would have an efficient system that can provide specific functions can be used to describe a number of different kinds of data as well as text. Allowing programs to modify and validate documents in these languages without prior knowledge, that is written and stored on a computer.

22. As to claim 12, Crosskey and Huang do not teach the invention as claimed, wherein the instruction to determine whether a processed version of the document is located in local cache, further comprises the instruction to ascertain whether the document is written in a second markup language, wherein said second markup language is a processed version of said first markup language. However, Caldwell teaches ascertaining whether the document is written in a second markup language, wherein said second markup language is a processed version of said first markup language (col.3, lines 30-40, and col.7, lines 10-55). It would have been obvious to one of ordinary skill in the Data Processing art at the time of the invention to combine the teachings of Crosskey, Huang and Caldwell to have the document is written in a second markup language includes in a communication system because it would have an efficient system

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that can provide specific functions can be used to describe a number of different kinds of data as well as text. Allowing programs to modify and validate documents in these languages without prior knowledge, that is written and stored on a computer.

23. As to claim 14, Crosskey and Huang do not teach the invention as claimed, wherein said second markup language is the extensible markup language (XML). However, Caldwell teaches markup language is the extensible markup language (XML) (col.7, lines 10-55). It would have been obvious to one of ordinary skill in the Data Processing art at the time of the invention to combine the teachings of Crosskey, Huang and Caldwell to have the document is written in a second markup language includes in a communication system because it would have an efficient system that can provide specific functions can be used to describe a number of different kinds of data as well as text. Allowing programs to modify and validate documents in these languages without prior knowledge, that is written and stored on a computer.

24. As to claim 17, Crosskey and Huang do not teach the invention as claimed, wherein the instruction to determine whether a processed version of the document is located in local cache, further comprises the step to ascertain whether the document is written in a second markup language, wherein said second markup language is a processed version of said first markup language. However, Caldwell teaches ascertaining whether the document is written in a second markup language, wherein said second markup language is a processed version of said first markup language (col.3, lines 30-40, and col.7, lines 10-55). It would have been obvious to one of ordinary skill in the Data Processing art at the time of the invention to combine the teachings of Crosskey, Huang and Caldwell to have the document is written in a second markup language includes in a communication system because it would have an efficient system that can

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provide specific functions can be used to describe a number of different kinds of data as well as text. Allowing programs to modify and validate documents in these languages without prior knowledge, that is written and stored on a computer.

*Conclusion*

25. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Vipin Samar U.S. Patent No. 6,563,514 Issued May 13, 2003

26. Any inquiries concerning this communication or earlier communications from the examiner should be directed to **Tammy T. Nguyen** who may be reached via telephone at **(703) 305-7982**. The examiner can normally be reached Monday through Friday between 8:00 a.m. and 4:30 p.m. eastern standard time.

If you need to send the Examiner, a facsimile transmission regarding After Final issues, please send it to **(703) 746-7238**. If you need to send an Official facsimile transmission, please send it to **(703) 746-7239**. If you would like to send a Non-Official (draft) facsimile transmission the fax is **(703) 746-7240**. If attempts to reach the examiner by telephone are unsuccessful, the Examiner's Supervisor, **David Wiley**, may be reached at **(703) 308-5221**.


Any response to this office action should be mailed too:

**Director of Patents and Trademarks Washington, D.C. 20231.**

Moreover, hand-delivered responses should be delivered to the Receptionist, located on the fourth floor of Crystal Park 11, 2121 Crystal Drive Arlington, Virginia.

**TTN**

7/7/03

  
**DAVID WILEY**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 210**